

## **PCT**

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	(Form PCT/ISA/2	f Transmittal of International Search Report 20) as well as, where applicable, item 5 below.						
AMC044BWO	ACTION							
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)						
PCT/EP 03/09931	08/09/2003	17/10/2002						
Applicant								
		`						
AMMONIA CASALE S.A.								
This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.  This International Search Report consists of a total of sheets.								
X It is also accompanied by	a copy of each prior art document cited in this	report.						
1. Basis of the report								
a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.								
the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).								
b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:								
	onal application in written form.							
filed together with the into	ernational application in computer readable for	m.						
furnished subsequently to this Authority in written form.								
furnished subsequently to	this Authority in computer readble form.							
the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.								
		s identical to the written sequence listing has been						
2. Certain claims were fou	ind unsearchable (See Box I).							
3. Unity of invention is lac	cking (see Box II).							
4. With regard to the title,								
_	ubmitted by the applicant.							
	the text has been established by this Authority to read as follows:							
	,							
5. With regard to the abstract,	·							
	ubmitted by the applicant.							
the text has been established		ity as it appears in Box III. The applicant may, port, submit comments to this Authority.						
6. The figure of the drawings to be put								
as suggested by the app	licant.	None of the figures.						
because the applicant fa	because the applicant failed to suggest a figure.							
because this figure bette	r characterizes the invention.							

Form PCT/ISA/210 (first sheet) (July 1998)



ational application No.

PCT/EP 03/09931

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

Method and apparatus for carrying out highly exothermic catalyzed reactions, like so-called oxidative reactions, in pseudo-isothermal conditions, for example the reaction for producing nitric acid and the reaction for producing formal-dehyde. At least part of the continuous flow of reactants is fed at different points of the catalytic bed corresponding to different successive stages of the reaction.

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PCT P 03/09931

A. CLASSIF IPC 7	FICATION OF SUBJECT MATTER B01J8/02							
According to International Patent Classification (IPC) or to both national classification and IPC								
B. FIELDS SEARCHED  Minimum documentation searched (classification system followed by classification symbols)								
IPC 7								
		•	·					
Documentati	ion searched other than minimum documentation to the extent that	such documents are included in the fields se	arched .					
Electronic da	ata base consulted during the international search (name of data b	ase and, where practical, search terms used	)					
'	ternal, WPI Data							
L. O 1111	oci iiai, iii 2 2 a a a		·					
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C DOCUME	ENTS CONSIDERED TO BE RELEVANT							
Category °	Citation of document, with indication, where appropriate, of the m	elevant passages	Relevant to claim No.					
Category								
x	FR 2 029 533 A (BASF AG)		1					
	23 October 1970 (1970-10-23)							
Υ	claims 1-3; figure 2; example 2	2						
Υ	EP 1 236 505 A (METHANOL CASALE	SA)	2					
	4 September 2002 (2002-09-04) claims 1-6; figure 4							
A	GB 680 605 A (CALIFORNIA RESEARC	CH CORP)	1					
	8 October 1952 (1952-10-08) the whole document							
Α	US 6 153 149 A (FLOUDAS CHRISTON	OOULOS A	1					
	ET AL) 28 November 2000 (2000-11 claims 1-31; figures 1,2							
	•	·						
Furt	her documents are listed in the continuation of box C.	X Patent family members are listed	in annex.					
° Special ca	Special categories of cited documents:							
'A' docume	ent defining the general state of the art which is not	or priority date and not in conflict with cited to understand the principle or th	eory underlying the					
"E" earlier	considered to be of particular relevance invention  "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention							
filing date  cannot be considered novel or cannot be considered no			ocument is taken alone					
citatio	which is cited to establish the publication date of another citation or other special reason (as specified)  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the							
other	*O* document referring to an oral disclosure, use, exhibition or other means  *O* document is combined with one or more other such document is combined with one or more other such documents, such combination being obvious to a person skilled							
"P" document published prior to the international filing date but later than the priority date claimed "a" document member of the same patent		family						
Date of the	actual completion of the international search	Date of mailing of the international se	arch report					
2	8 January 2004	06/02/2004						
Name and	mailing address of the ISA	Authorized officer						
	European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk							
	Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Cubas Alcaraz, J						

## INTERNATIONAL SEARCH REPORT

Information n patent family members

Internal Application No
PC1/EP 03/09931

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US 6153149	A <sub>.</sub>	28-11-2000	NONE		